

National Stage of PCT/ US2004/021831  
Attorney Docket No. T1118/20079  
Preliminary Amendment Dated 01/19/05

**AMENDMENTS TO THE SPECIFICATION**

Please replace originally filed specification with a substitute specification.

### **REMARKS/ARGUMENTS**

By this Amendment, the specification is amended by submitting a substitute specification. A clean version and a marked up version are submitted pursuant to 37 CFR 1.125 as Exhibits A and B, respectively. An Abstract as filed in the PCT application corresponding to this application is attached on a separate sheet as Exhibit C. No new matter is added.

The corrections in the specification were made to correct minor editorial problems such as typographical and grammatical errors, remove duplicate phrases, and to correct discrepancies in references to figures. Instances of correction regarding references to figures are described below, and the changes are supported by the specification as filed.

Page 22, line 35, after the word “analysis”, the reference to “Figure 2” was removed and the reference to Figure 10 was inserted. Figure 10 was inadvertently erroneously referenced herein as Figure 2. Support for this amendment can be found in the specification on pages 9 and 10 in the Brief Description of Drawings. On page 22, the disclosure relates to the FTIR analysis, thus, Figure 10 shows the FTIR spectra while Figure 2 is a reaction scheme. From the description of corresponding Figures on pages 9 and 10, it is obvious that Figure 10 and not Figure 2 should have been referenced.

Page 23, line 1, “Figure 2 A&B” was removed and Figure 10 was inserted.

Page 23, line 16, the reference to “Figure 3A” was removed, and the reference to Figure 11A was inserted. Figure 3A was inadvertently erroneously referenced herein. Support for this amendment can be found in the specification on pages 9 and 10 in the Brief Description of Drawings. On page 23, the disclosure relates to the storage modulus and Tg and Figures 11A and B relate to the storage modulus and Tg, while Figure 3 is a graphic representation of a number of cells. From the description of corresponding Figures on pages 9 and 10, it is obvious that Figure 11A and not Figure 3A should have been referenced.

Page 23, line 27, the reference to “Figure 4” was removed and the reference to Figures 12A and 12B was inserted. Figure 4 was inadvertently erroneously referenced herein. Support for this amendment can be found in the specification on pages 9 and 10 in the Brief Description of Drawings. On page 23, the disclosure relates to atomic force microscopy studies, and Figures

12 A and B demonstrate atomic force microscopy images while Figure 4 (A-D) are photomicrographs of heart valves. From the description of corresponding Figures on pages 9 and 12, it is obvious that Figures 12A and 12 B and not Figure 4 should have been referenced.

Page 24, line 19, the reference to "6 A-L" was removed and the reference to Figures 13 A-L was inserted. Figures 6 A-M were inadvertently erroneously referenced herein. Support for this amendment can be found in the specification on pages 9-11 in the Brief Description of Drawings. On page 24, the disclosure relates to phase microscopy, and Figures 13 A-M demonstrate phase microscopy while Figure 6 is a graph and there are no Figures 6A-L. From the description of corresponding Figures on pages 9-11, it is obvious that Figures 13 A-L and not Figures 6 A-L should have been referenced.

Page 24, line 21, the reference to "6A and E" was removed, and the reference to Figures 13 A and 13 E was inserted.

Page 24, line 22, the reference to "6I" was removed, and the reference to Figure 13I was inserted.

Page 24, line 23 the reference to "6G" was removed, and the reference to Figure 13G was inserted.

Page 24, line 25, the reference to "6H" was removed, and the reference to Figure 13H was inserted.

Page 24, line 27, the reference to "6K" was removed, and the reference to Figure 13K was inserted.

Page 24, line 28, the reference to "6L" was removed, and the reference to Figure 13L was inserted.

Page 24, line 28, the reference to "Figures 6A-D" was removed, and the reference to Figures 13A-D was inserted.

Page 24, line 31, the reference to "Figure 6D" was removed, and the reference to Figure 13D was inserted.

Page 24, line 33, the reference to "6M" was removed, and the reference to Figure 13M was inserted.

Page 25, line 2, the reference to "Figure 6M" was removed, and the reference to Figure

13M was inserted.

Page 25, line 18, the reference to “Figure 7D&7H” was removed and the reference to Figures 14D and 14H were inserted. Figures 7 A-M were inadvertently erroneously referenced herein as described and further corrected below. Support for this amendment can be found in the specification on pages 9 and 11 in the Brief Description of Drawings. On page 25, the disclosure relates to BOEC morphology and Figures 14A-M relate to BOEC cells while Figure 7 relates to a reaction scheme and there are no Figures 7A-M. From the description of corresponding Figures on pages 9 and 11, it is obvious that Figures 17 A-L and not Figures 7 A-L should have been referenced.

Page 25, line 20, the reference to “Figure 7K” was removed, and the reference to Figure 14K was inserted.

Page 25, line 23, the reference to “Figure 7L” was removed, and the reference to Figure 14L was inserted.

Page 25, line 24, the reference to “Figure 7M” was removed, and the reference to Figure 14M was inserted.

Page 26, line 29, the reference to “Figure 7” was removed, and the reference to Figure 14M was inserted.

Page 32, line 20, the word [Figure 5] was removed, and the phrase Figures 5A and B was inserted.

Page 33, line 11, [Figure A] was removed, and Figure 4A was inserted.

Page 33, line 11, [Figure B] was removed, and Figure 4B was inserted.

Page 33, line 12 [Figure D] was removed, and Figure 4D was inserted.

Page 33, line 13, [Figure C] was removed, and Figure 4C was inserted.

It is respectfully submitted that the application is in good form for initial examination on the merits. Accordingly, prompt and favorable examination on the merits is respectfully requested.

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Should the Examiner believe that anything further is desirable in order to place the application in even better condition for initial examination and allowance, the Examiner is invited to contact Applicants' undersigned attorney at the telephone number listed below.

Respectfully submitted,

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Please charge or credit our  
Account No. 03-0075 as necessary  
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consideration of this submission.